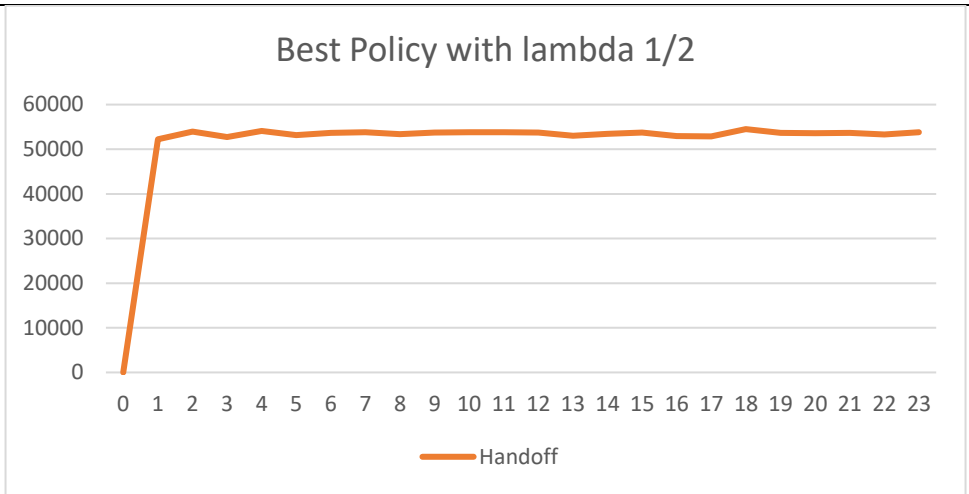
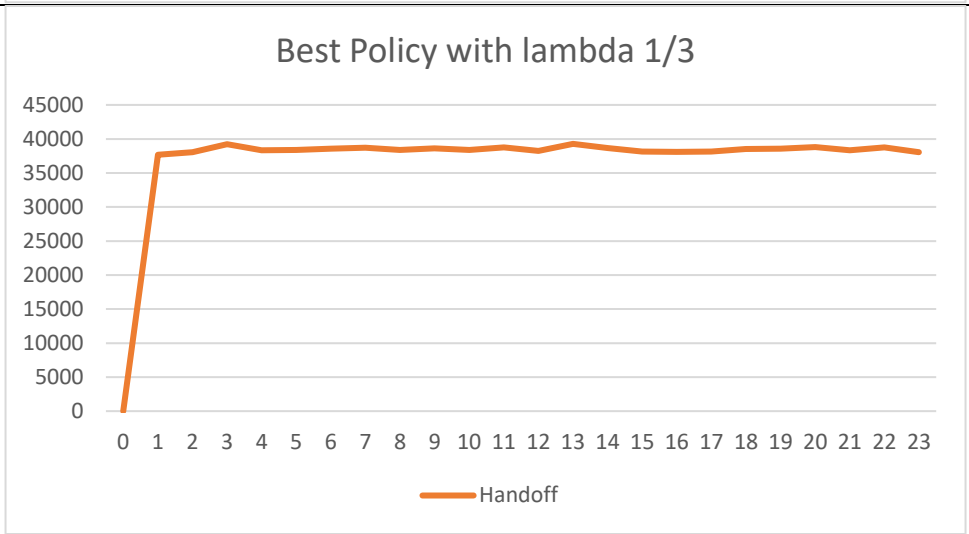
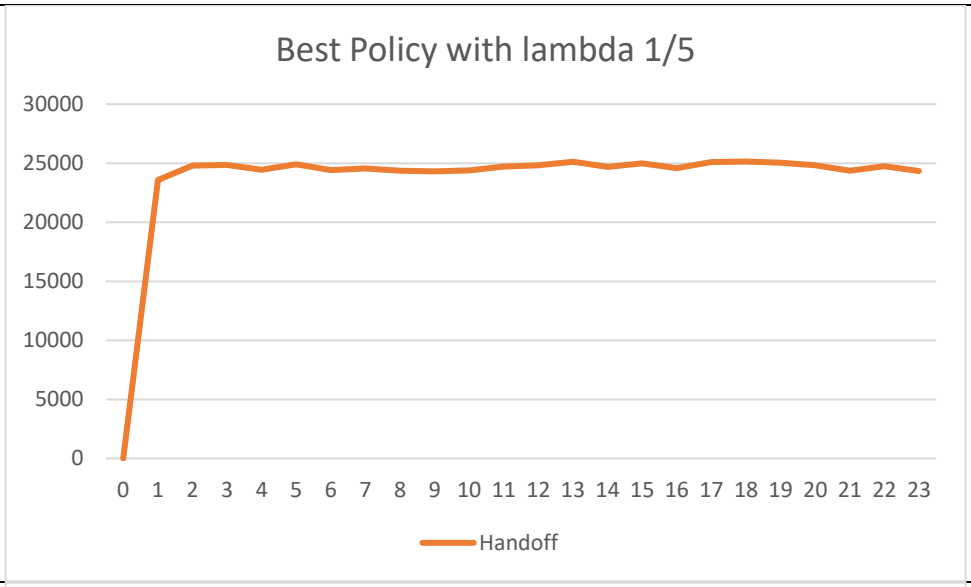
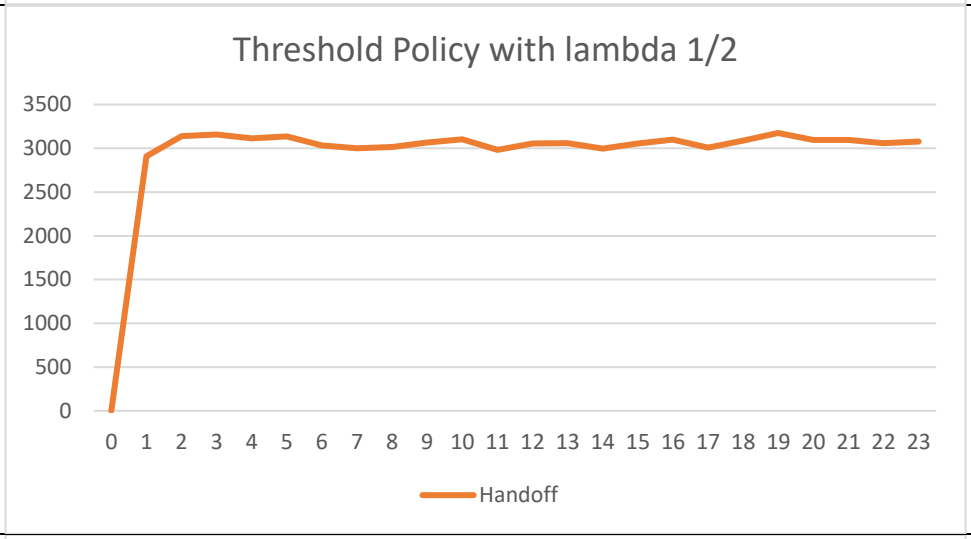
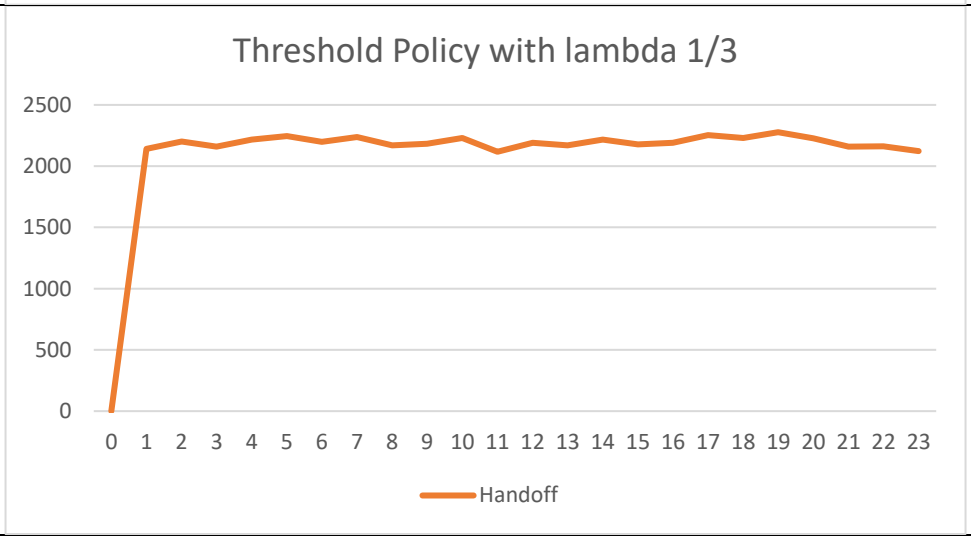
蔡孝龍　　F74077120　　資訊系 甲班

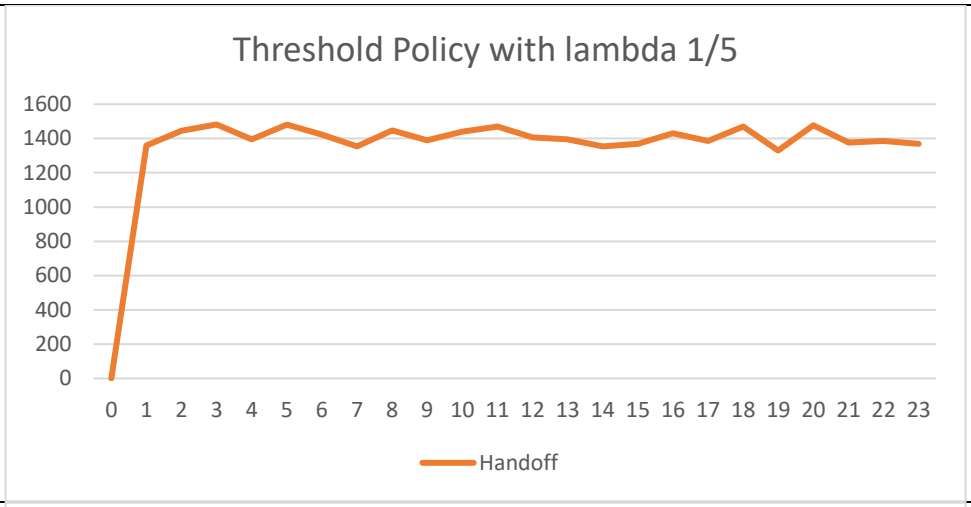
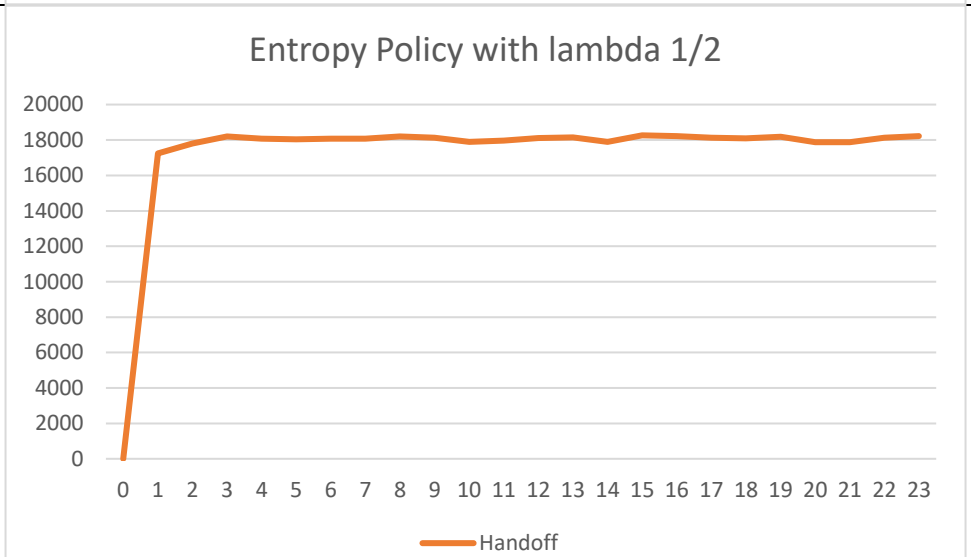
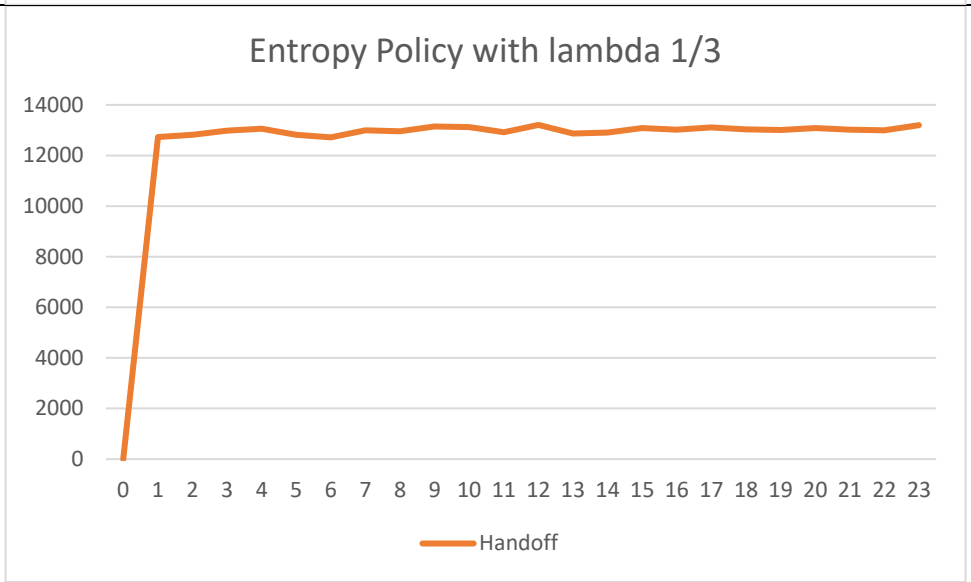
Wireless Communication and Mobile Networks　　Project 2

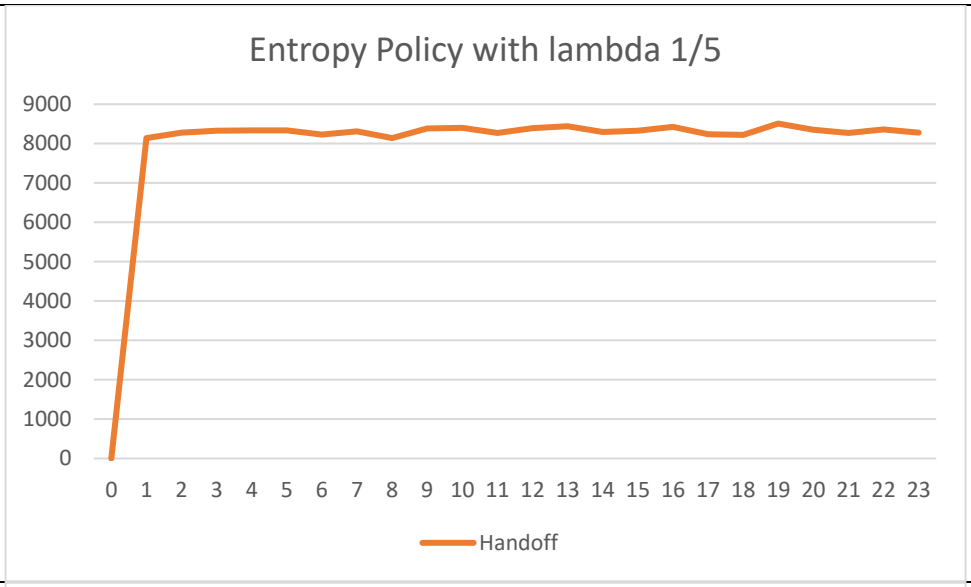
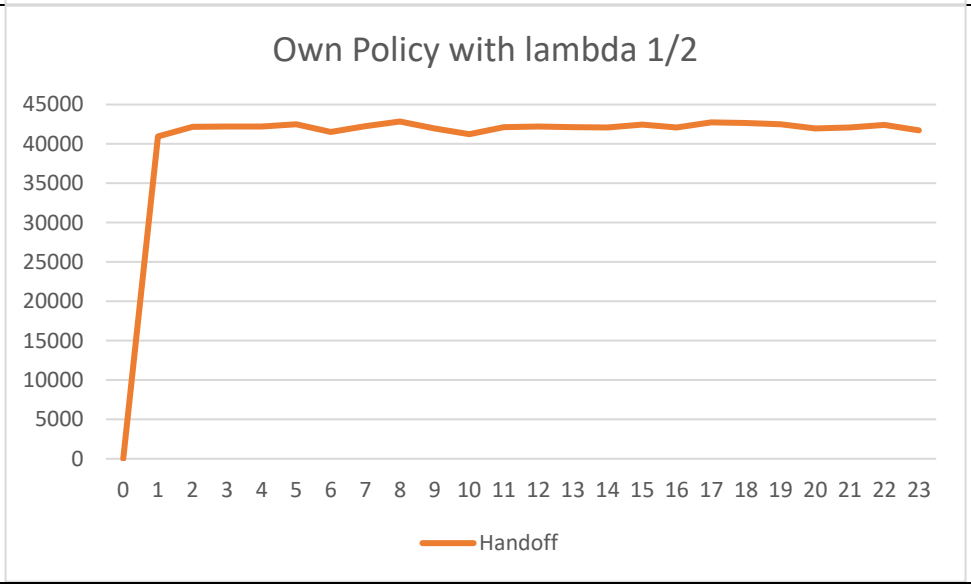
圖表/Graph:

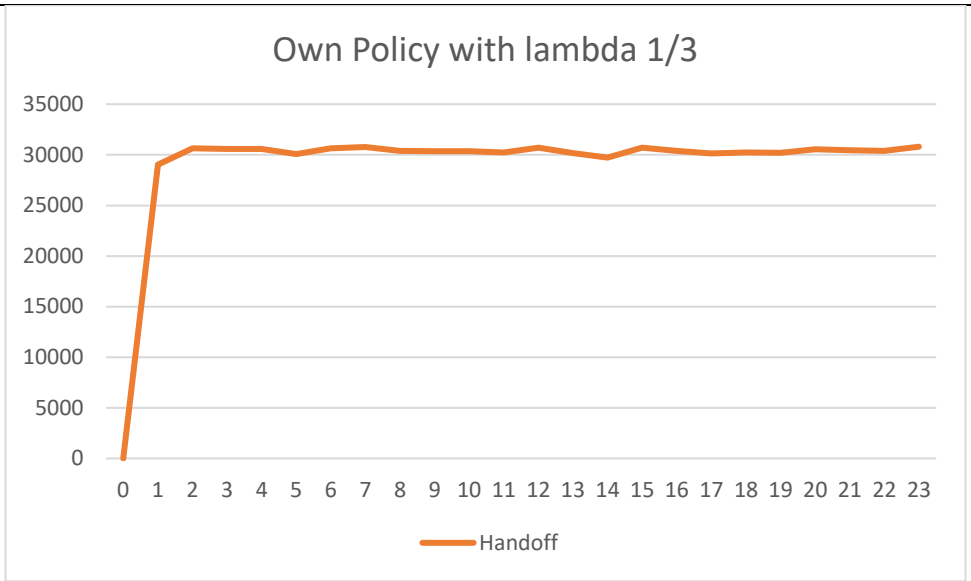
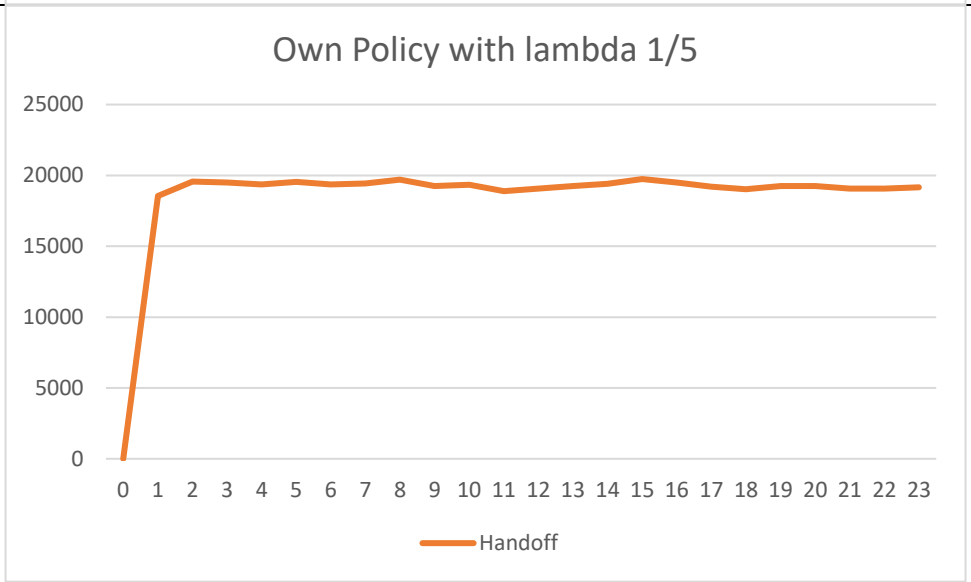
X – axis in hours

Policy	Lambda	Graph	Avg. Power
Best	1/2		21.4861
Best	1/3		21.4824

Best	1/5		21.4831
Threshold	1/2		18.4646
Threshold	1/3		18.4663

Threshold	1/5		18.4655
Entropy	1/2		20.0408
Entropy	1/3		20.0378

Entropy	1/5		20.0403
Own	1/2		19.9319

Own	1/3		19.925
Own	1/5		19.9216

Introduction to Policy:

- My policy is a time-based policy.
- For every 10 seconds, it will have the chance to change BS.
- Every time, there is a probably of 50% that it will actually change.
- If it will change, it will change to the nearest base station.

Pros:

- My own policy's average power is larger than Threshold's average power.
- My own policy's handoff is lesser than Best Policy's handoff.

Cons:

- My own policy's average power is lesser than Best and Entropy's.
- My own policy's handoff is more than Entropy's handoff.
- With that, my own policy is totally in a disadvantage against Entropy's policy.
- It is nothing special since it is basically a modified version of Best Policy's handoff.

Specialty:

- Combine time and probability to do filtering, which reduces the amount of handoff.
- The time and probability can be adjusted to adapt to all kinds of base station density.